

=> fil capl; d que l12; d que nos l10; s l12 or l10  
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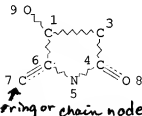
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FILE COVERS 1907 - 18 Dec 2002 VOL 137 ISS 25  
FILE LAST UPDATED: 17 Dec 2002 (20021217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

L1 STR

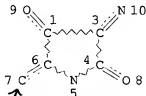


*full file search done on this structure*

NODE ATTRIBUTES:  
NSPEC IS RC AT 7  
CONNECT IS E1 RC AT 9  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE  
L3 459 SEA FILE=REGISTRY SSS FUL L1  
L4 STR



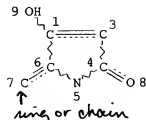
*subset search done on this structure  
(product) formula (I)*

NODE ATTRIBUTES:  
NSPEC IS RC AT 7

CONNECT IS E1 RC AT 9  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE  
L5 STR



*subset search done on this  
structure  
(reactant)*

NODE ATTRIBUTES:  
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE  
L7 228 SEA FILE=REGISTRY SUB=L3 SSS FUL L5 = reactant  
L9 37 SEA FILE=REGISTRY SUB=L3 SSS FUL L4 = product/formula(1)  
L10 5 SEA FILE=CAPLUS ABB=ON L9  
L11 48 SEA FILE=CAPLUS ABB=ON L7  
L12 4 SEA FILE=CAPLUS ABB=ON L10 AND L11

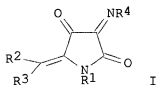
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L4 STR  
L9 37 SEA FILE=REGISTRY SUB=L3 SSS FUL L4 = product/formula(1)  
L10 5 SEA FILE=CAPLUS ABB=ON L9

L20 5 L12 OR L10

=> d ibib abs hitstr L20 1-5

L20 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:115115 CAPLUS  
DOCUMENT NUMBER: 134:162915  
TITLE: Preparation of pyrrolidine-2,3,4-trion-3-oximes as  
NMDA receptor antagonists.  
INVENTOR(S): Przewosny, Michael; Stachel, Hans-Dietrich;  
Poschenrieder, Hermann  
PATENT ASSIGNEE(S): Grunenthal G.m.b.H., Germany  
SOURCE: PCT Int. Appl., 52 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

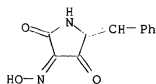
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001010831	A1	20010215	WO 2000-EP7101	20000725
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 19936521	A1	20010215	DE 1999-19936521	19990806
BR 2000013313	A	20020416	BR 2000-13313	20000725
EP 1200400	A1	20020502	EP 2000-945950	20000725
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
NO 2002000578	A	20020325	NO 2002-578	20020205
PRIORITY APPLN. INFO.:			DE 1999-19936521 A	19990806
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OTHER SOURCE(S):	MARPAT 134:162915			
GI				



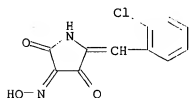
AB Title compds. (I; R1 = H, OR8, COR5, NR6R7, CO2R5, CONR6R7, CSNR6R7, alkyl, aryl, heteroaryl, aralkyl; R2, R3 = H, F, Cl, Br, CF3, OR8, SR8, alkyl, aryl, heteroaryl, aralkyl; R4 = OH, H, OR8, SR8, COR5, CO2R5, COCOR5, CONR6R7, CSNR6R7, alkyl, aryl, heteroaryl, aralkyl; R5 = H, alkyl, aryl, heteroaryl, aralkyl; R6, R7 = H, OR8, COR5, CO2R5, alkyl, aryl, heteroaryl, aralkyl; R8 = alkyl, aryl, heteroaryl, aralkyl), were prepd. 4-Hydroxy-5-(methoxyphenylmethylene)-1,5-dihydropyrrol-2-one in HOAc was treated with NaNO<sub>2</sub> followed by stirring for 30 min. to give 60% 5-(methoxyphenylmethylene)pyrrolidin-2,3,4-trione 3-oxime. The latter bound to the glycine binding site of NMDA receptors with K<sub>i</sub> = 0.116 .mu.M.

IT 247901-14-0P 247901-15-1P 247901-16-2P  
247901-17-3P 247901-18-4P 247901-19-5P  
247901-20-8P 247901-30-0P 247901-45-7P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of pyrrolidine-2,3,4-trion-3-oximes as NMDA receptor antagonists)

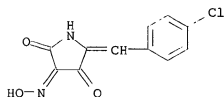
RN 247901-14-0 CAPLUS  
CN 2,3,4-Pyrrolidinetrione, 5-(phenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



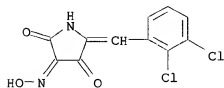
RN 247901-15-1 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2-chlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

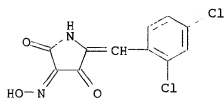
RN 247901-16-2 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(4-chlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

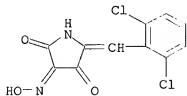
RN 247901-17-3 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2,3-dichlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

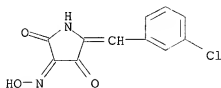
RN 247901-18-4 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2,4-dichlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

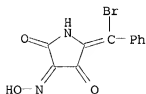
RN 247901-19-5 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2,6-dichlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

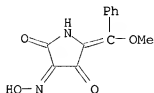
RN 247901-20-8 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(3-chlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

RN 247901-30-0 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-(bromophenylmethylene)-, 3-oxime (9CI) (CA  
INDEX NAME)

RN 247901-45-7 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-(methoxyphenylmethylene)-, 3-oxime (9CI) (CA  
INDEX NAME)

IT 106237-90-5 247901-78-6 247901-79-7

247901-80-0 247901-81-1 247901-82-2

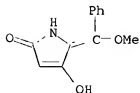
247901-83-3 247901-84-4 325773-48-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of pyrrolidine-2,3,4-trione-3-oximes as NMDA receptor  
antagonists)

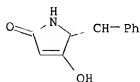
RN 106237-90-5 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(methoxyphenylmethylene)- (9CI)  
(CA INDEX NAME)



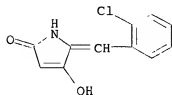
RN 247901-78-6 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylmethylene)- (9CI) (CA  
INDEX NAME)



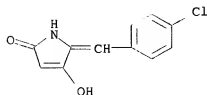
RN 247901-79-7 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)



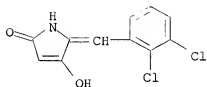
RN 247901-80-0 CAPLUS

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(9CI) (CA INDEX NAME)



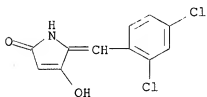
RN 247901-81-1 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)



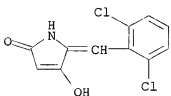
RN 247901-82-2 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



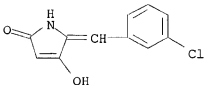
RN 247901-83-3 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



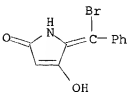
RN 247901-84-4 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 325773-48-6 CAPLUS

CN 2H-Pyrrol-2-one, 5-(bromophenylmethylene)-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:614764 CAPLUS

DOCUMENT NUMBER: 131:307064

TITLE: Pyrrolidine-2,4-diones with affinity to the N-methyl-D-aspartate (glycine site) receptor. Part 2. 5-arylidene-pyrrolidine-2,3,4-trione 3-oximes as NMDA receptor antagonists  
Poschenrieder, Hermann; Hofner, Georg; Stachel, Hans-Dietrich

AUTHOR(S): Institut Pharmazie/Zentrum Pharmaforschung, Univ. Munchen, Munich, D-81377, Germany

CORPORATE SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1999), 332(9), 309-316

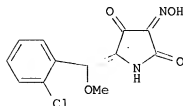
SOURCE: CODEN: ARPMAS; ISSN: 0365-6233

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



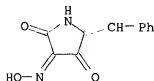
AB A series of oximes deriving from 5-arylidene-pyrrolidine-2,3,4-triones and pyridine-2,3,4-triones was prepd. The presence of the tautomeric nitrosoenol was proven in solns. of an .alpha.-ketooxime. The binding affinity of the new oximes toward the N-methyl-D-aspartate (glycine site) receptor was measured as a basis for more detailed structure-activity relationship studies. Oxime I showed the highest binding potency acting as glycine antagonist in nanomolar concn.

IT 247901-14-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

RN 247901-14-0 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-(phenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



IT 247901-30-0P 247901-45-7P

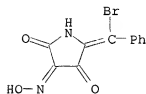
RL: BAC (Biological activity or effector, except adverse); BSU (Biological



study, unclassified); FRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

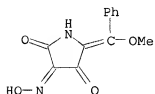
RN 247901-30-0 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-(bromophenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



RN 247901-45-7 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-(methoxyphenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



IT 247901-15-1P 247901-16-2P 247901-17-3P

247901-18-4P 247901-19-5P 247901-20-8P

247901-31-1P 247901-32-2P 247901-33-3P

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247901-48-0P 247901-49-1P 247901-50-4P

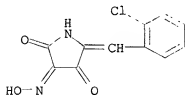
247901-65-1P 247901-66-2P 247901-85-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

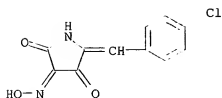
RN 247901-15-1 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)

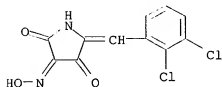


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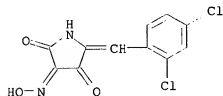
CN 2,3,4-Pyrrolidinetrione, 5-[(4-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



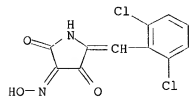
RN 247901-17-3 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2,3-dichlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

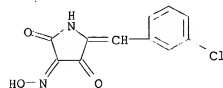
RN 247901-18-4 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2,4-dichlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

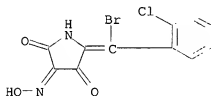
RN 247901-19-5 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-[(2,6-dichlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

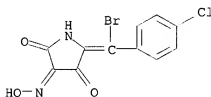
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CN 2,3,4-Pyrrolidinetrione, 5-[(3-chlorophenyl)methylene]-, 3-oxime (9CI)  
(CA INDEX NAME)

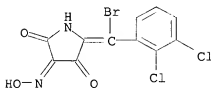
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(9CI) (CA INDEX NAME)



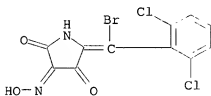
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(9CI) (CA INDEX NAME)



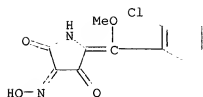
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(9CI) (CA INDEX NAME)



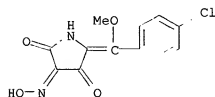
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(9CI) (CA INDEX NAME)



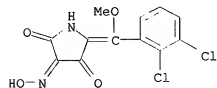
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CN 2,3,4-Pyrrolidinetrione, 5-[(2-chlorophenyl)methoxymethylene]-, 3-oxime  
(9CI) (CA INDEX NAME)



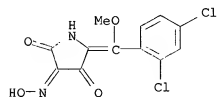
RN 247901-47-9 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-[(4-chlorophenyl)methoxymethylene]-, 3-oxime  
 (9CI) (CA INDEX NAME)



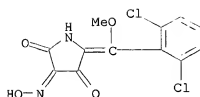
RN 247901-48-0 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-[(2,3-dichlorophenyl)methoxymethylene]-,  
 3-oxime (9CI) (CA INDEX NAME)



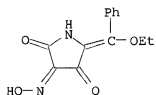
RN 247901-49-1 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-[(2,4-dichlorophenyl)methoxymethylene]-,  
 3-oxime (9CI) (CA INDEX NAME)



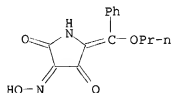
RN 247901-50-4 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-[(2,6-dichlorophenyl)methoxymethylene]-,  
 3-oxime (9CI) (CA INDEX NAME)



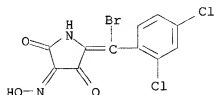
RN 247901-65-1 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-(ethoxyphenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



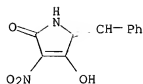
RN 247901-66-2 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-(phenylpropoxymethylene)-, 3-oxime (9CI) (CA INDEX NAME)



RN 247901-85-5 CAPLUS  
 CN 2,3,4-Pyrrolidinetrione, 5-[bromo(2,4-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



IT 247901-71-9P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA  
 receptor antagonists)  
 RN 247901-71-9 CAPLUS  
 CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-nitro-5-(phenylmethylene)- (9CI)  
 (CA INDEX NAME)

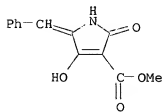


IT 18133-08-9 75990-13-5 247901-73-1  
 247901-74-2 247901-75-3 247901-76-4  
 247901-77-5 247901-78-6 247901-79-7  
 247901-80-0 247901-81-1 247901-82-2  
 247901-83-3 247901-84-4

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA  
 receptor antagonists)

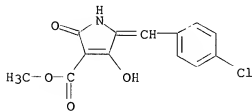
RN 18133-08-9 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 2,5-dihydro-4-hydroxy-2-oxo-5-  
 (phenylmethylene)-, methyl ester (9CI) (CA INDEX NAME)



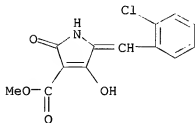
RN 75990-13-5 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(4-chlorophenyl)methylene]-2,5-dihydro-4-  
 hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



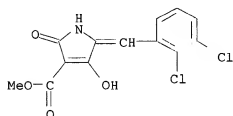
RN 247901-73-1 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2-chlorophenyl)methylene]-2,5-dihydro-4-  
 hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



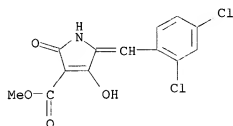
RN 247901-74-2 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,3-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



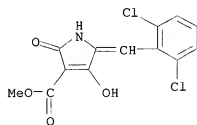
RN 247901-75-3 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,4-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



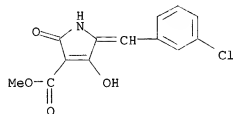
RN 247901-76-4 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,6-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



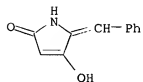
RN 247901-77-5 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(3-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

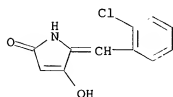


RN 247901-78-6 CAPLUS

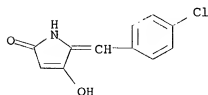
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



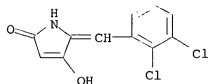
RN 247901-79-7 CAPLUS  
CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 247901-80-0 CAPLUS  
CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)

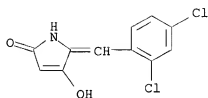


RN 247901-81-1 CAPLUS  
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)

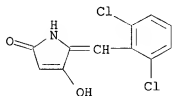


RN 247901-82-2 CAPLUS  
CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)

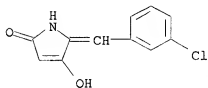




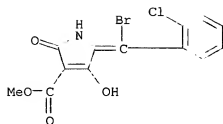
RN 247901-83-3 CAPLUS  
CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)



RN 247901-84-4 CAPLUS  
CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)

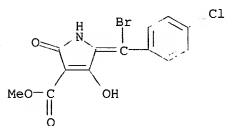


IT 247901-21-9P 247901-22-0P 247901-23-1P  
247901-24-2P 247901-25-3P 247901-26-4P  
247901-27-5P 247901-28-6P 247901-29-7P  
247901-35-5P 247901-36-6P 247901-37-7P  
247901-38-8P 247901-39-9P 247901-40-2P  
247901-41-3P 247901-42-4P 247901-43-5P  
247901-44-6P 247901-61-7P 247901-62-8P  
247901-63-9P 247901-64-0P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA  
receptor antagonists)  
RN 247901-21-9 CAPLUS  
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2-chlorophenyl)methylene]-2,5-  
dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



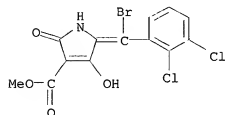
RN 247901-22-0 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(4-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



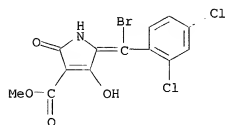
RN 247901-23-1 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2,3-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



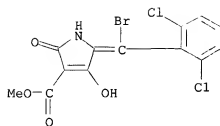
RN 247901-24-2 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2,4-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

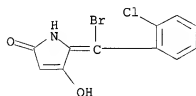


RN 247901-25-3 CAPLUS

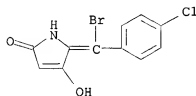
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2,6-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



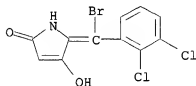
RN 247901-26-4 CAPLUS

CN 2H-Pyrrol-2-one, 5-[bromo(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)

RN 247901-27-5 CAPLUS

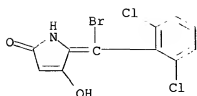
CN 2H-Pyrrol-2-one, 5-[bromo(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)

RN 247901-28-6 CAPLUS

CN 2H-Pyrrol-2-one, 5-[bromo(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)

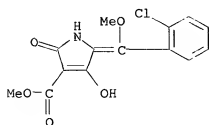
RN 247901-29-7 CAPLUS

CN 2H-Pyrrol-2-one, 5-[bromo(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-  
(9CI) (CA INDEX NAME)



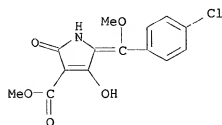
RN 247901-35-5 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2-chlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



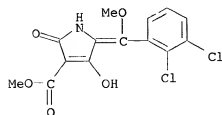
RN 247901-36-6 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(4-chlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



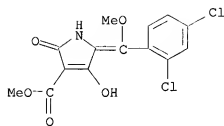
RN 247901-37-7 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,3-dichlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



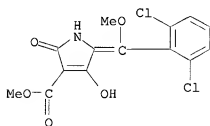
RN 247901-38-8 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,4-dichlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



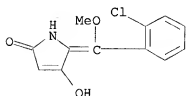
RN 247901-39-9 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,6-dichlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



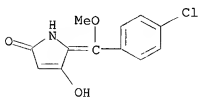
RN 247901-40-2 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



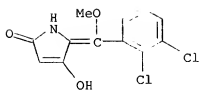
RN 247901-41-3 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)

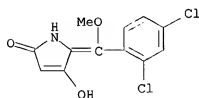


RN 247901-42-4 CAPLUS

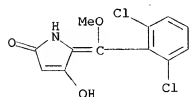
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



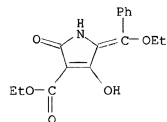
RN 247901-43-5 CAPLUS  
 CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



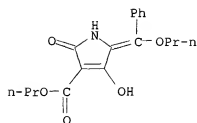
RN 247901-44-6 CAPLUS  
 CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



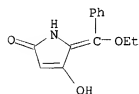
RN 247901-61-7 CAPLUS  
 CN 1H-Pyrrole-3-carboxylic acid, 5-(ethoxyphenylmethylene)-2,5-dihydro-4-hydroxy-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)



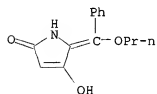
RN 247901-62-8 CAPLUS  
 CN 1H-Pyrrole-3-carboxylic acid, 2,5-dihydro-4-hydroxy-2-oxo-5-(phenylpropoxymethylene)-, propyl ester (9CI) (CA INDEX NAME)



RN 247901-63-9 CAPLUS

CN 2H-Pyrrol-2-one, 5-(ethoxyphenylmethylene)-1,5-dihydro-4-hydroxy- (9CI)  
(CA INDEX NAME)

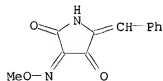
RN 247901-64-0 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylpropoxymethylene)- (9CI)  
(CA INDEX NAME)

IT 247901-68-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA  
receptor antagonists)

RN 247901-68-4 CAPLUS

CN 2,3,4-Pyrrolidinetrione, 5-(phenylmethylene)-, 3-(O-methyloxime) (9CI)  
(CA INDEX NAME)REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:29178 CAPLUS

DOCUMENT NUMBER: 130:139224

TITLE: 5-Arylidene-3-aryl-pyrrolidine-2,4-diones with

Searched by Barb O'Bryen, STIC 308-4291

affinity to the N-methyl-D-aspartate (glycine site) receptor. Part 1

AUTHOR(S): Poschenrieder, Hermann; Hoefner, Georg; Stachel, Hans-Dietrich

CORPORATE SOURCE: Inst. Pharmazie. Zentrum Pharmaforschung, Univ. Muenchen, Munich, D-80333, Germany

SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1998), 331(12), 389-394

CODEN: ARPMAS; ISSN: 0365-6233

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A series of 5-arylidene-3-aryl-pyrrolidine-2,4-diones was prepd. Their binding affinity toward the N-methyl-D-aspartate (glycine site) receptor was measured as a basis for more detailed structure-activity relationship studies.

IT 108045-43-8

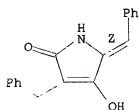
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)

RN 108045-43-8 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-(phenylmethyl)-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 153973-50-3P 220069-91-0P 220069-93-2P  
220069-94-3P 220069-95-4P 220069-97-6P  
220069-98-7P 220069-99-8P 220070-01-9P  
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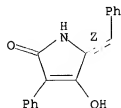
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)

RN 153973-50-3 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-phenyl-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

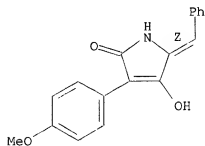




RN 220069-91-0 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

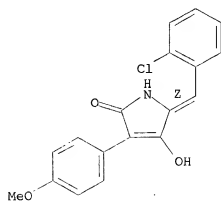
Double bond geometry as shown.



RN 220069-93-2 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

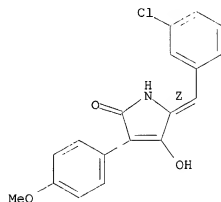
Double bond geometry as shown.



RN 220069-94-3 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

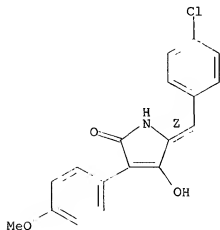
Double bond geometry as shown.



RN 220069-95-4 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

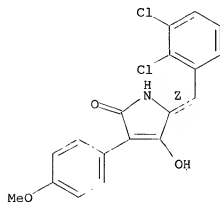
Double bond geometry as shown.



RN 220069-97-6 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

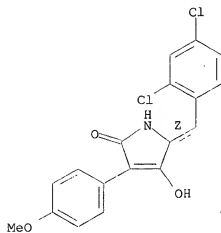
Double bond geometry as shown.



RN 220069-98-7 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

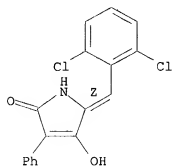
Double bond geometry as shown.



RN 220069-99-8 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-phenyl-, (5Z)- (9CI) (CA INDEX NAME)

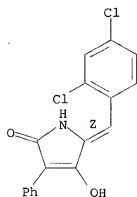
Double bond geometry as shown.



RN 220070-01-9 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-phenyl-, (5Z)- (9CI) (CA INDEX NAME)

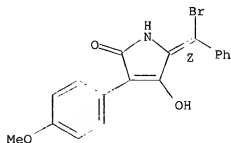
Double bond geometry as shown.



RN 220070-05-3 CAPLUS

CN 2H-Pyrrol-2-one, 5-(bromophenylmethylene)-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

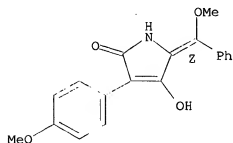
Double bond geometry as shown.



RN 220070-06-4 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-5-(methoxyphenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

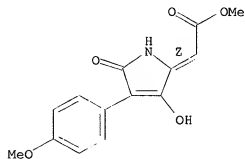
Double bond geometry as shown.



RN 220070-07-5 CAPLUS

CN Acetic acid, (1,5-dihydro-3-hydroxy-4-(4-methoxyphenyl)-5-oxo-2H-pyrrol-2-ylidene)-, methyl ester, (2Z)- (9CI) (CA INDEX NAME)

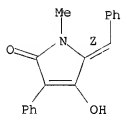
Double bond geometry as shown.



RN 220070-09-7 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-1-methyl-3-phenyl-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

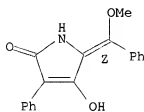
Double bond geometry as shown.



RN 220070-11-1 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(methoxyphenylmethylene)-3-phenyl-, (5Z)- (9CI) (CA INDEX NAME)

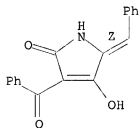
Double bond geometry as shown.



RN 220070-12-2 CAPLUS

CN 2H-Pyrrol-2-one, 3-benzoyl-1,5-dihydro-4-hydroxy-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 97066-34-7 98669-64-8 108045-31-4

220069-89-6 220069-90-9 220070-08-6

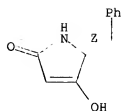
RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)

RN 97066-34-7 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

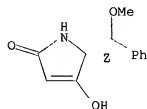
Double bond geometry as shown.



RN 98669-64-8 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(methoxyphenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

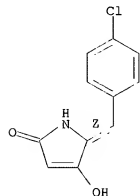
Double bond geometry as shown.



RN 108045-31-4 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

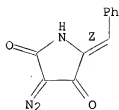
Double bond geometry as shown.



RN 220069-89-6 CAPLUS

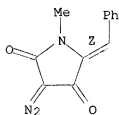
CN 2,4-Pyrrolidinedione, 3-diazo-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



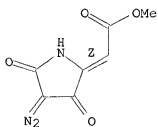
RN 220069-90-9 CAPLUS  
CN 2,4-Pyrrolidinedione, 3-diazo-1-methyl-5-(phenylmethylene)-, (5Z)- (9CI)  
(CA INDEX NAME)

Double bond geometry as shown.



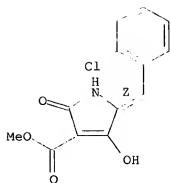
RN 220070-08-6 CAPLUS  
CN Acetic acid, (4-diazo-3,5-dioxo-2-pyrrolidinylidene)-, methyl ester, (2Z)-  
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 220069-68-1P 220069-69-2P 220069-71-6P  
220069-72-7P 220069-73-8P 220069-74-9P  
220069-75-0P 220069-76-1P 220069-78-3P  
220069-79-4P 220069-81-8P 220069-82-9P  
220069-83-0P 220069-85-2P 220069-86-3P  
220069-87-4P 220070-02-0P 220070-03-1P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA  
receptor)  
RN 220069-68-1 CAPLUS  
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2-chlorophenyl)methylene]-2,5-dihydro-4-  
hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

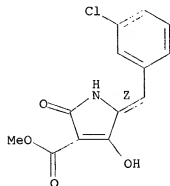
Double bond geometry as shown.



RN 220069-69-2 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(3-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

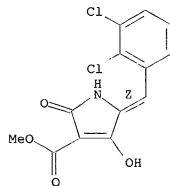
Double bond geometry as shown.



RN 220069-71-6 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,3-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

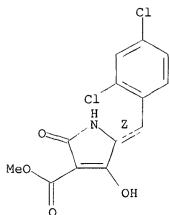


RN 220069-72-7 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,4-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

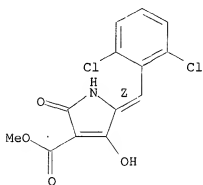




RN 220069-73-8 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,6-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

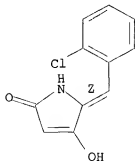
Double bond geometry as shown.



RN 220069-74-9 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

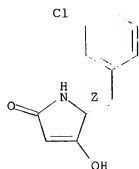
Double bond geometry as shown.



RN 220069-75-0 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

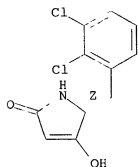
Double bond geometry as shown.



RN 220069-76-1 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-,  
(5Z)- (9CI) (CA INDEX NAME)

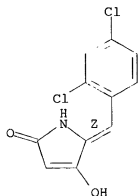
Double bond geometry as shown.



RN 220069-78-3 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-,  
(5Z)- (9CI) (CA INDEX NAME)

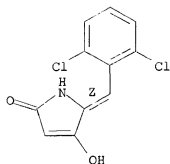
Double bond geometry as shown.



RN 220069-79-4 CAPLUS

CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-,  
(5Z)- (9CI) (CA INDEX NAME)

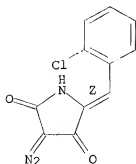
Double bond geometry as shown.



RN 220069-81-8 CAPLUS

CN 2,4-Pyrrolidinedione, 5-[(2-chlorophenyl)methylene]-3-diazo-, (5Z)- (9CI)  
(CA INDEX NAME)

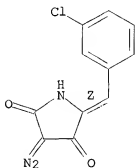
Double bond geometry as shown.



RN 220069-82-9 CAPLUS

CN 2,4-Pyrrolidinedione, 5-[(3-chlorophenyl)methylene]-3-diazo-, (5Z)- (9CI)  
(CA INDEX NAME)

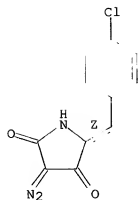
Double bond geometry as shown.



RN 220069-83-0 CAPLUS

CN 2,4-Pyrrolidinedione, 5-[(4-chlorophenyl)methylene]-3-diazo-, (5Z)- (9CI)  
(CA INDEX NAME)

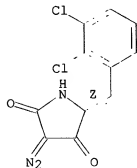
Double bond geometry as shown.



RN 220069-85-2 CAPLUS

CN 2,4-Pyrrolidinedione, 3-diazo-5-[(2,3-dichlorophenyl)methylene]-, (5Z)-  
(9CI) (CA INDEX NAME)

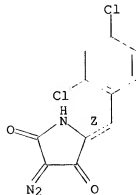
Double bond geometry as shown.



RN 220069-86-3 CAPLUS

CN 2,4-Pyrrolidinedione, 3-diazo-5-[(2,4-dichlorophenyl)methylene]-, (5Z)-  
(9CI) (CA INDEX NAME)

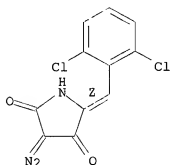
Double bond geometry as shown.



RN 220069-87-4 CAPLUS

CN 2,4-Pyrrolidinedione, 3-diazo-5-[(2,6-dichlorophenyl)methylene]-, (5Z)-  
(9CI) (CA INDEX NAME)

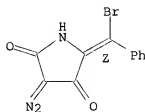
Double bond geometry as shown.



RN 220070-02-0 CAPLUS

CN 2,4-Pyrrolidinedione, 5-(bromophenylmethylene)-3-diazo-, (5Z)- (9CI) (CA INDEX NAME)

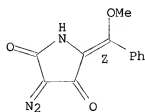
Double bond geometry as shown.



RN 220070-03-1 CAPLUS

CN 2,4-Pyrrolidinedione, 3-diazo-5-(methoxyphenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



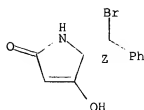
IT 97066-41-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)

RN 97066-41-6 CAPLUS

CN 2H-Pyrrol-2-one, 5-(bromophenylmethylene)-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:628266 CAPLUS

DOCUMENT NUMBER: 125:300748

TITLE: Reductones of tetronic, thiotetronic, and tetramic acids. Part III. Thermolysis and photolysis of cyclic diazo compounds

AUTHOR(S): Stachel, Hans Dietrich; Poschenrieder, Hermann; Redlin, Jutta

CORPORATE SOURCE: Institut Pharmazie Lebensmittelchemie, Universitaet Muenchen, Munich, D-80333, Germany

SOURCE: Zeitschrift fuer Naturforschung, B: Chemical Sciences (1996), 51(9), 1325-1333

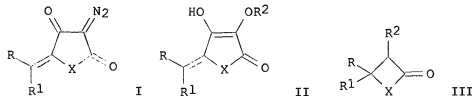
CODEN: ZNBSEN; ISSN: 0932-0776

PUBLISHER: Verlag der Zeitschrift fuer Naturforschung

DOCUMENT TYPE: Journal

LANGUAGE: German

GI



AB The Rh-catalyzed decomn. of the diazo ketones I (X = O, S, NH, NMe; R = H, CO<sub>2</sub>Me; R<sub>1</sub> = H, Ph, CO<sub>2</sub>Me) in Me<sub>3</sub>COH at 130.degree. furnishes the corresponding mono-enol ethers II (R<sub>2</sub> = CMe<sub>3</sub>) and, after deprotection, the aci-reductones II (R<sub>2</sub> = H). In absence of intercepting agents the intermediate carbenes preferentially undergo Wolff rearrangement with ring contraction. In this case the .beta.-thiolactone III (X = S, R<sub>1</sub> = CHPh, R<sub>2</sub> = H), the .beta.-lactone III (X = O; R, R<sub>1</sub> = H; R<sub>2</sub> = CO<sub>2</sub>Et), or the .beta.-lactam III (X = NMe; R, R<sub>1</sub> = H; R<sub>2</sub> = CO<sub>2</sub>Et) are thermolysis products of the corresponding diazo ketones. During photolysis of the diazo ketones I (X = NH, R = H, R<sub>1</sub> = Ph or X = NMe, R = CO<sub>2</sub>Me, R<sub>1</sub> = H) in the presence of alcs. the corresponding azetidinones III (R<sub>1</sub> = CHPh, CHCO<sub>2</sub>Me; R<sub>2</sub> = CO<sub>2</sub>Et) are formed.

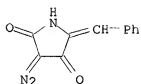
IT 122275-32-5 122275-33-6

RL: RCT (Reactant); RACT (Reactant or reagent)

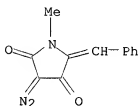
(thermolysis and photolysis of cyclic diazo compds.)

RN 122275-32-5 CAPLUS

CN 2,4-Pyrrolidinedione, 3-diazo-5-(phenylmethylene)- (9CI) (CA INDEX NAME)

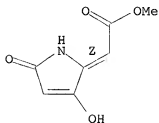


RN 122275-33-6 CAPLUS  
 CN 2,4-Pyrroledione, 3-diazo-1-methyl-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



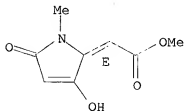
IT 183000-96-6P 183000-97-7P 183001-01-6P  
 183001-02-7P 183001-05-0P 183001-06-1P  
 183001-07-2P 183001-10-7P 183001-11-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (thermolysis and photolysis of cyclic diazo compds.)  
 RN 183000-96-6 CAPLUS  
 CN Acetic acid, (1,5-dihydro-3-hydroxy-5-oxo-2H-pyrrol-2-ylidene)-, methyl  
 ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



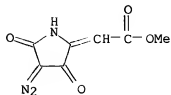
RN 183000-97-7 CAPLUS  
 CN Acetic acid, (1,5-dihydro-3-hydroxy-5-oxo-2H-pyrrol-2-ylidene)-,  
 methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



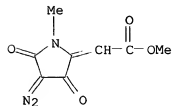
RN 183001-01-6 CAPLUS

CN Acetic acid, (4-diazo-3,5-dioxo-2-pyrrolidinylidene)-, methyl ester (9CI)  
(CA INDEX NAME)



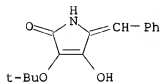
RN 183001-02-7 CAPLUS

CN Acetic acid, (4-diazo-1-methyl-3,5-dioxo-2-pyrrolidinylidene)-, methyl ester (9CI) (CA INDEX NAME)



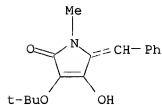
RN 183001-05-0 CAPLUS

CN 2H-Pyrrol-2-one, 3-(1,1-dimethylethoxy)-1,5-dihydro-4-hydroxy-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 183001-06-1 CAPLUS

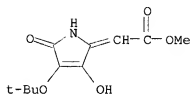
CN 2H-Pyrrol-2-one, 3-(1,1-dimethylethoxy)-1,5-dihydro-4-hydroxy-1-methyl-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



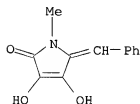
RN 183001-07-2 CAPLUS

CN Acetic acid, [4-(1,1-dimethylethoxy)-1,5-dihydro-3-hydroxy-5-oxo-2H-pyrrol-2-ylidene]-, methyl ester (9CI) (CA INDEX NAME)

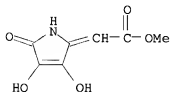




RN 183001-10-7 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-3,4-dihydroxy-1-methyl-5-(phenylmethylene)-  
(9CI) (CA INDEX NAME)

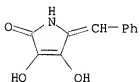
RN 183001-11-8 CAPLUS

CN Acetic acid, (1,5-dihydro-3,4-dihydroxy-5-oxo-2H-pyrrol-2-ylidene)-,  
methyl ester (9CI) (CA INDEX NAME)

IT 75135-97-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(thermolysis and photolysis of cyclic diazo compds.)

RN 75135-97-6 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-3,4-dihydroxy-5-(phenylmethylene)- (9CI) (CA  
INDEX NAME)

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ACCESSION NUMBER: 1989:514988 CAPLUS

DOCUMENT NUMBER: 111:114988

TITLE: Reductones of maleimides

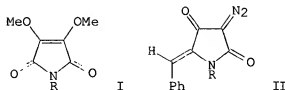
AUTHOR(S): Poschenrieder, Hermann; Stachel, Hans Dietrich

CORPORATE SOURCE: Inst. Pharm. Lebensmittelchem., Univ. Muenchen,  
Munich, D-8000/2, Fed. Rep. Ger.

SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1989),

DOCUMENT TYPE:  
LANGUAGE:  
OTHER SOURCE(S):  
GI

322(5), 301-2  
CODEN: ARPMAS; ISSN: 0365-6233  
Journal  
German  
CASREACT 111:114988

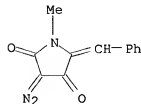


AB Title compds. I (R = H, Me) were prepd. in 4 steps starting from 5-benzylidene-2,4-pyrrolidinediones II. E.g., azidolysis of 5-benzylidene-2,4-pyrrolidinedione with 4-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>Na gave 80% II (R = H), which on methylation gave 70% II (R = Me). Ozonolysis, oxidn.-tert-butylation, alc. deprotection, and methylation of II gave I.

IT **122275-33-6P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and ozonolysis of)

RN 122275-33-6 CAPLUS

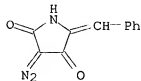
CN 2,4-Pyrrolidinedione, 3-diazo-1-methyl-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



IT **122275-32-5P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn., methylation, or ozonolysis of)

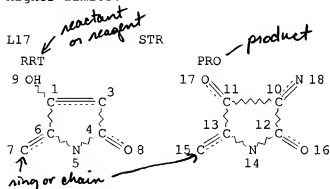
RN 122275-32-5 CAPLUS

CN 2,4-Pyrrolidinedione, 3-diazo-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



Crossover limits have been increased. See HELP RNCROSSOVER for details.

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.



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L15 0 SEA FILE=USPATFULL ABB=ON L9

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